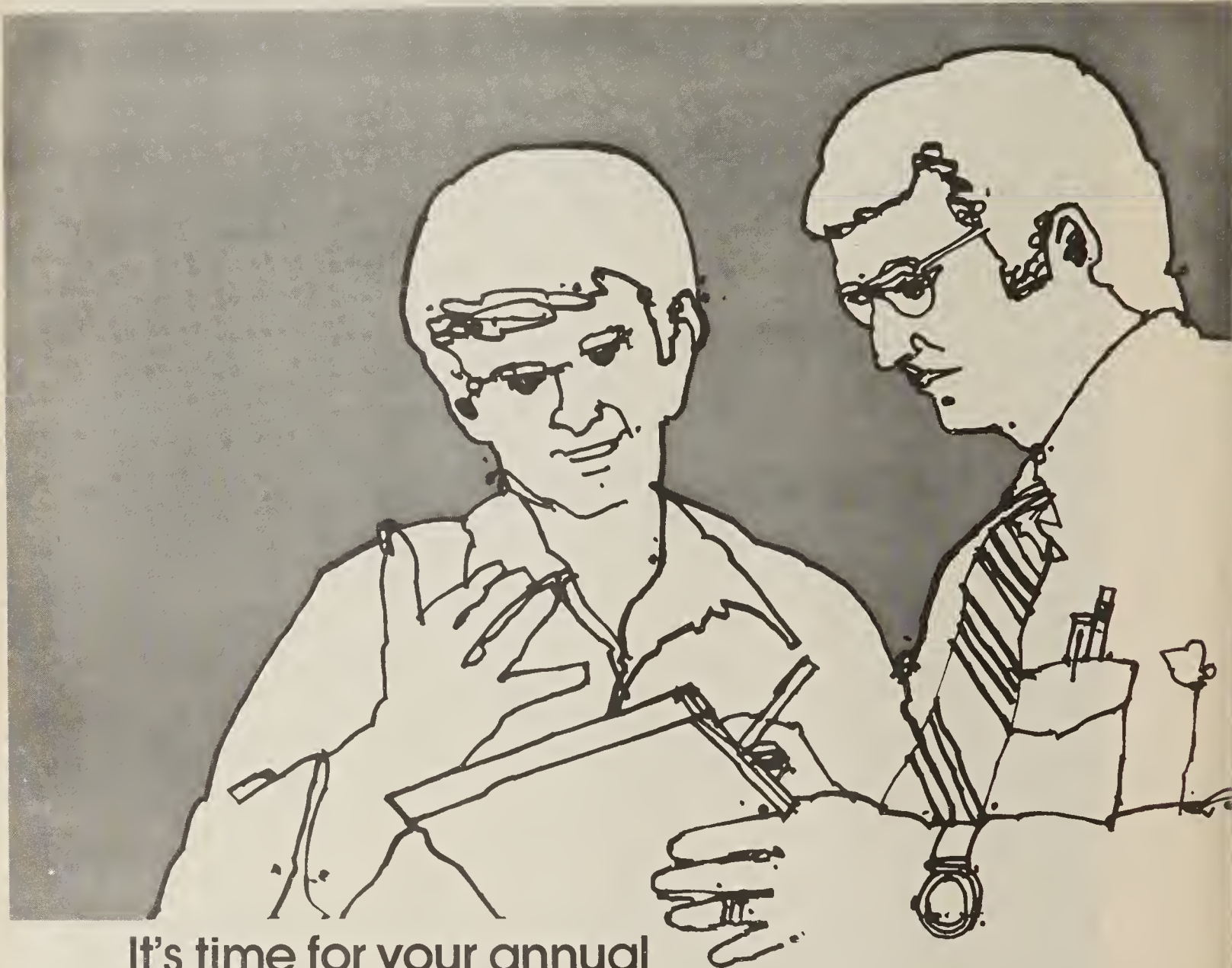


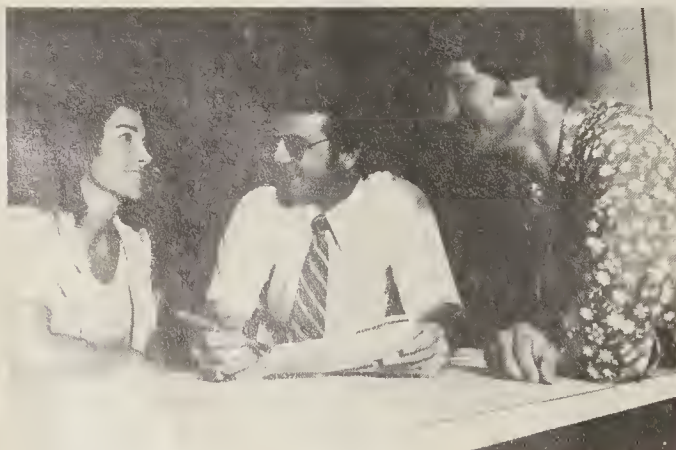
Carolina Country

May 1977





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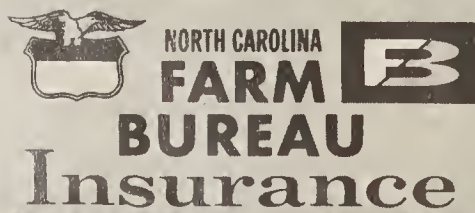
He will examine your insurance policies to see if they cover current values and meet your individual needs. This is an especially important service, when you consider home, property, and equipment values have been rapidly increasing over the years. So has the cost of family protection including estate planning and retirement.

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A Symbol Of Stewardship

Almost 18 months ago, North Carolina's electric cooperatives officially launched their first statewide central purchasing operation to provide much of the hardware they need as power suppliers for about 400,000 Tar Heel homes and businesses.

Under this new program, the Electric Membership Corporations across the state joined together to become member-owners in a cooperative of cooperatives. In doing so, they put aside any sense of regional pride or corporate individuality to support a

purchasing system which could benefit all EMCs in North Carolina.

The concept of the system was that the EMCs themselves would become their own distributors for transformers, poles, wire and other materials, to the end that these items could be purchased

Editorials

directly from the manufacturers at a savings and housed in a central warehouse, ready for delivery to

any EMC within 24 hours.

The concept, which had been used successfully by statewide organizations of co-ops in other states, was the subject of careful study and planning by North Carolina EMCs for nearly two years before the operation opened its doors for the first time.

Once those doors opened, the EMCs gave the program such overwhelming support that it outgrew its initial warehouse and office space within a few months, and the entire operation had to move to larger quarters. By the end of the first year, the program had saved the member EMCs more than a quarter of a million dollars. In addition, many EMC managers were praising the system for its quick delivery service and large inventory, which has permitted them to reduce their own local inventories.

Related stories on pages 26-28

Measured against the yardsticks of savings and service, the fledgling purchasing system seems to have achieved an unprecedented level of success during its brief history.

The ultimate beneficiaries of that success are the EMC consumer-members, who can see the program as a symbol of the EMCs' stewardship of fiscal responsibility.

Carolina Country Salutes:

- Edgecombe-Martin County Electric Membership Corporation, Tarboro, for passing a milestone: the 40th anniversary of its beginnings as a power supplier.

The EMC energized its first 32 miles of electric lines on April 17, 1937, to serve about 40 consumers. The lines were built by a crew from the Town of Tarboro and the power was supplied by the town. The project was undertaken with a \$32,000 loan from the Rural Electrification Administration—the first such loan authorized for a Tar Heel electric cooperative.

The EMC now operates more than 1,100 miles of energized lines, serving about 7,500 home and businesses.

- University of North Carolina President William C. Friday, for speaking out with a voice of common sense and reason in response to the latest incident in the University's unsuccessful effort to gain approval from the courts and federal authorities for its desegregation plan.

After a federal judge declared the system's plan inadequate, Friday said no one has pointed out specifically how the plan fails to meet federal guidelines and a new plan cannot be developed until the courts and Health, Education and Welfare officials "let us know where we've been inadequate."

Carolina Country

Read Monthly In More Than 260,000 Homes
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COVER—"Birthplace" is the title of this original oil painting by Dianne Saintsing Horton of Davidson County. It depicts the artist's home on Saintsing Knoll, where she lives with her parents, her brother and her son. The 200-year-old house, which has been in the Saintsing family for more than 30 years, is served by Davidson EMC, Lexington. For information about how to order prints of the painting, see ad on page 29.



rural electric Notebook

CO-OP BANK SUPPORTED

Rural electric cooperatives across the nation are supporting legislation before Congress to establish a national consumer cooperative bank. The bank would be modeled after the Farm Credit System, which lends money to farmers and their co-ops.

Robert D. Partridge, executive vice president of the National Rural Electric Cooperative Association, said the bank is needed because "the demand by consumers--both rural and urban--to form their own businesses to serve themselves is greater than ever before in recent history" and because no funding or technical assistance is now available "to help get these businesses on the road."

The bank would be a lending service initially financed by Department of Treasury purchase of stock, with the borrowers being required to buy into the bank. The borrowers would eventually become its owners, just as farm co-ops now own the lending sources within their banks for cooperatives.

NRECA is supporting the program, Partridge said, because it's needed for "further cooperative development in America" and to keep "more purchasing power in rural communities" as consumers organize their own health, repair, housing, transportation, cable TV and other types of co-ops.

"We're going to continue to push for this legislation. Rural electricians and their members could help immensely by telling their members of Congress why the bill is needed.

SURCHARGE APPEAL DENIED

The North Carolina Supreme Court has refused to rehear a case in which the state's three major power companies were ordered to refund more than \$35 million in fuel surcharges to their retail customers. The court declined the petition for a rehearing from CP&L, Duke Power and Vepco without comment.

The decision means the court's February ruling will stand. The ruling declared that the State Utilities Commission overstepped its authority in allowing the utilities to levy the special surcharge, which was collected from September, 1975, through August, 1976.

The decision also means Duke must honor its agreement with its wholesale customers, including EMCs and municipalities, to refund the surcharges if refunds were required for retail customers. These refunds will total about \$5 million.

Vepco also collected the surcharge from wholesale customers, but its fate depends on the outcome of an appeal before the Federal Power Commission. CP&L never collected the surcharge from wholesale customers.



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J. K. STERN

Former President, American Institute of Cooperation
Trustee, American Country Life Association



"The years have taught me that adequate insurance at minimum cost is as important to the folks in rural areas as is electricity . . . and in my opinion C.I.F. is dedicated to serving that need. For this reason more than anything else, I am happy to be on the board and to help in some measure to further the success of this program."

Ken Stern
C.I.F. Vice President-Director

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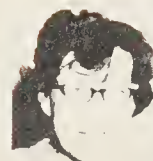
➤ **PLUS \$5,000.00**— 100 TIMES the Daily Hospital Payment in case of accidental death.

CONSIDER THESE FACTS: • Last year hospital costs averaged \$128 per day. (American Hospital Association)
• One person in every third family will go to the hospital this year. • **NO HOSPITAL PLAN PAYS FOR EVERYTHING**
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Wall Named To Interim Post At N.C.EMC/TEMA

Alton P. Wall, a veteran of more than 30 years with the rural electric program in North Carolina, has been appointed interim manager of North Carolina Electric Membership Corporation and Tarheel Electric Membership Association.

Wall took an early retirement from his post as manager of Randolph EMC, Asheboro, to assume the statewide post. His new appointment became effective April 6 and he'll serve in the position until a permanent manager is employed.

A vacancy in the executive post was created as a result of the resignation of Robert N. Cleveland, who had served as executive vice president and general manager of the two EMC associations. He resigned to become executive manager of Ohio's three electric cooperative statewide organizations.

Cleveland will remain active in some N.C.EMC/TEMA projects, as a consultant, through May 6.

A selection committee of the N.C.EMC/TEMA Board of Directors is currently accepting applications for the management position through the National Rural Electric Cooperative Association.

The recruitment effort is expected to take four to six months, according to Alvin Morton, manager of Jones-Onslow EMC, who is chairman of the committee.



N.C.EMC is the state association of electric cooperatives and TEMA is a sister corporation encompassing a central statewide materials purchasing program for the EMCs.

Wall has been on the N.C.EMC Power Committee for 20 years and has served on the Power and Generation Committee of the National Rural Electric Cooperative Association for many years.

A native of Rural Hall, he moved with his family to Randolph County in 1920 and was educated in Randolph County schools. After attending Wake Forest College, he was a farmer for six years.

He joined Randolph EMC in 1939 and has been with the

cooperative continuously since then, except for a period of four years during World War II, when he served with the U.S. Army Corps of Engineers.

After the war, he worked with the EMC's engineering department from 1946 to January 1, 1948, when he was named assistant manager. He became manager in May, 1948.

Wall is a member of Asheboro Rotary Club and the Grange. He is married to the former Nelle Robbins of Randleman and they have a daughter, Rebecca Nail, an associate professor at Winston-Salem University.

McDuffie New Randolph Manager

Bob McDuffie, manager of engineering at Randolph Electric Membership Corporation, has been named manager of the Asheboro-based cooperative.

He succeeds Alton P. Wall, who retired to become interim manager of North Carolina EMC and Tarheel Electric Membership Association.

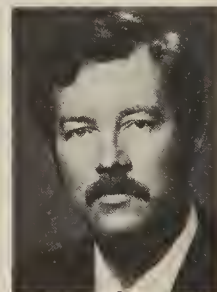
McDuffie, an Asheboro native, is an electronic technology graduate of Randolph Technical Institute. He joined Randolph EMC in 1961 as a member of its maintenance crew.

He was named manager of engineering in 1966. Since then, he has continued his education through management training programs conducted by the National Rural Electric Cooperative Association.

He is a member of the N.C.EMC Job Training and Safety Committee and the North Central Piedmont Research-Conservation-Development program.

McDuffie is a 32nd degree mason and a Shriner. He is married to the former Clara Varner and they have four boys. They are members of South Plainfield Friends Church.

Randolph EMC serves about 14,000 consumer-members in Randolph, Alamance, Chatham, Montgomery and Moore counties.



State Sen. Ralph N. Scott of Alamance County has been honored by the N.C. Agricultural Extension Service for his "unselfish leadership in state government, education, agriculture, business, the N.C. State University Alumni Association, church and civic affairs."

The tribute came in the form of a Certificate of Recognition from Epsilon Sigma Phi, a fraternity of extension workers.



Barbara Deverick, administrative assistant at Blue Ridge EMC, Lenoir, has been named one of 10 Americans to serve on the Central

Committee of the International Cooperative Alliance, a world-wide confederation of cooperative organizations representing 326 million co-op members in 66 countries. She was chosen for the post as a member of the board of the U.S. Cooperative League.

Q: What is geothermal energy?

A: It's the natural steam, hot water and very hot rock inside the earth that is shallow enough to be tapped for generating electricity and other uses, such as heating buildings.

Q: How much geothermal energy do we have in the United States?

A: The U.S. Geological Survey estimates there is enough geothermal energy at practical depths beneath the earth's surface to generate electricity at present rates of use for the next hundred years. But we won't get even a fraction of that potential unless we solve some very tricky economic and technological problems.

Q: How much electric power are we generating from geothermal sources today?

A: About one-tenth of 1% of U.S. capacity is from geothermal sources, all of which comes from a steam field at the Geysers in northern California.

Q: Why haven't we exploited more of the potential?

A: The Geysers is the only place in America where we've found dry steam that can be commercially developed. Geothermal steam is very economical because it is just piped from the ground into turbines. Geothermal hot water systems are more complex and maintenance is costly because the water is so full of dissolved minerals.

cost of producing electricity from them down to compete with other fuels. We also are looking at them as direct sources of heat.

Q: How much research is being conducted?

A: The U.S. Energy Research and Development Administration (ERDA) is spending about \$400 million over the next five or six years. The electric utilities together are planning to invest some \$2 billion in commercial geothermal development over the next decade if the basic technical problems are resolved and the economics are competitive. For example, rural electric cooperatives for several years have been involved in the Raft River experiment geothermal project in Idaho, partially funded by ERDA.

Q: Are there any other problems besides economics and basic technology?

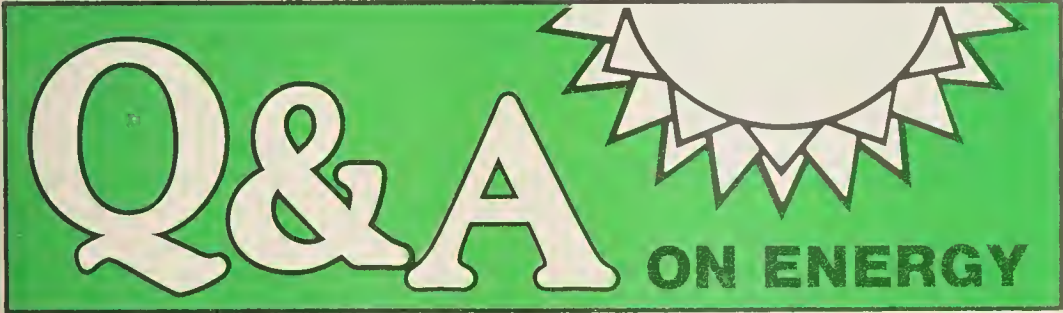
A: Yes, there is a pollution problem with contaminants in some steam and hot water systems, but that can be handled.

Q: Is geothermal energy found all over the nation?

A: If you go deep enough, there's hot rock all over the world. But within reach of present drilling methods and within the bounds of the anticipated economics, usable geothermal areas are concentrated in the western states, Alaska, Hawaii and along the Gulf Coast.

Q: Given all the problems that still must be solved, how much of our electric power is likely to come from geothermal sources in the year 2000?

A: It could be as high as 5% or less than 1%. The actual amount will depend on how rapidly existing hot water fields can be developed and how successful we are in developing new technology that makes geothermal energy forms economically competitive with other fuels.



Q: How important are the various forms of geothermal energy?

A: Natural steam, which is so easy to use, represents less than 1% of the potential. Hot water accounts for another 10%. Geopressured water, which contains dissolved methane gas as well as hot water, represents 20%. Hot rock represents about 70% of total geothermal potential.

Q: Why aren't we getting more energy from hot water, geopressure and hot rock?

A: We're not sure of the economics of extracting energy from hot water and geopressure systems, and new technology is required for hot rock systems. The future of these geothermal sources will depend on how successful we are in bringing the

This is the first in a series of columns which will appear regularly in Carolina Country offering questions and answers about specific energy problems and opportunities.

The series was prepared by the Electric Power Research Institute in cooperation with the energy and environmental policy department of the National Rural Electric Cooperative Association.

EPRI is a research organization funded by voluntary contributions from all segments of the electric utility industry, including rural electric cooperatives.



As a member of the agricultural community and the North Carolina Coastal Resources Commission, I have become concerned about the position that some North Carolina farmers have taken relative to the Coastal Area Management Act.

As it was envisioned and written by the General Assembly in 1974, and as it has been very faithfully carried out by the Coastal Resources Commission and Advisory Council, this Act is of tremendous benefit to two groups in particular—farmers and fishermen.

The management of fragile resources related to public waters is of obvious benefit to fishermen. However, less well understood are the advantages of land use planning and permit coordination for farming interests.

The land use plans which have been prepared and adopted in nearly every county and many communities in the coastal area will serve as guidance for growth and fruitful development of the entire coastal area. The use of these plans by local governments to decide when and where to place public services is a normal part of good community planning, but even so, will be strictly voluntary at the local level. No enforcement activities for land use plans are included in the Act; none are being contemplated by the Coastal Resources Commission or any state agency.

There are several advantages of such planning for agriculture which you should be aware of: (1) It will help keep property taxes lower by promoting efficient provision of community services (water, sewer, etc.) which will be necessary for the growth and development that is expected in the coastal area; (2) It will help keep prime agricultural and forest land in production by guiding development into more appropriate areas; And (3) It will assist in the maintenance of a healthy agricultural community which is essential if farm suppliers are to have adequate business to stay in operation in the area.

The Coastal Area Management Act was intended to foster fruitful development, not to stop it. Within the soon-to-be-designated Areas of Environmental Concern, the Commission and local governments

will share responsibility for coordinating compatible development in the fragile areas of our coastal counties.

However, new regulatory provisions which will apply to development activities within Areas of Environmental Concern will not apply to normal agricultural activities described by this definition in the Act: "The use of any land for the purpose of planting, growing, or harvesting plants, crops, trees, or other agricultural purposes..."

Furthermore, drainage of potential farmland has not been made more difficult by the Coastal Area Management Act because regulations governing drainage were imposed

years ago under state and federal dredge and fill programs.

However, a major goal of the Coastal Resources Commission is to simplify and coordinate the issuance of existing permits in the coastal area. The Commission has studied the problem and is now finalizing meaningful recommendations for the N.C. General Assembly.

In this letter I have outlined several steps designed to help the farmers and farm-related businesses in the coastal counties of North Carolina; I and the other members of the Coastal Resources Commission are confident these are steps in the right direction.

**Jerry Hardesty
Moyock**



The man in the advertisement (for "Down The Road Apiece" calendars) is my great grandfather. He died six years ago. My grandmama wants a calendar too, but we only get one magazine. So if you could please send more than one I would be more than pleased. I am 13 years old so I was seven when he died, but I have nothing but my mind to remember him by.

**Amy Vines
Rt. 1, Sugar Cove**

Several extra copies of the calendar and a framed print of the Bruce Roberts photograph have been shipped to Miss Vines, compliments of N.C.EMC and CAROLINA COUNTRY.



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THE TROUBLE WITH FOWLS

By Roy Silver

Fowls, especially the common rooster or hen, have never been my favorite type of animal. This condition has been brought on by personal observation and association—an association I could well do without!

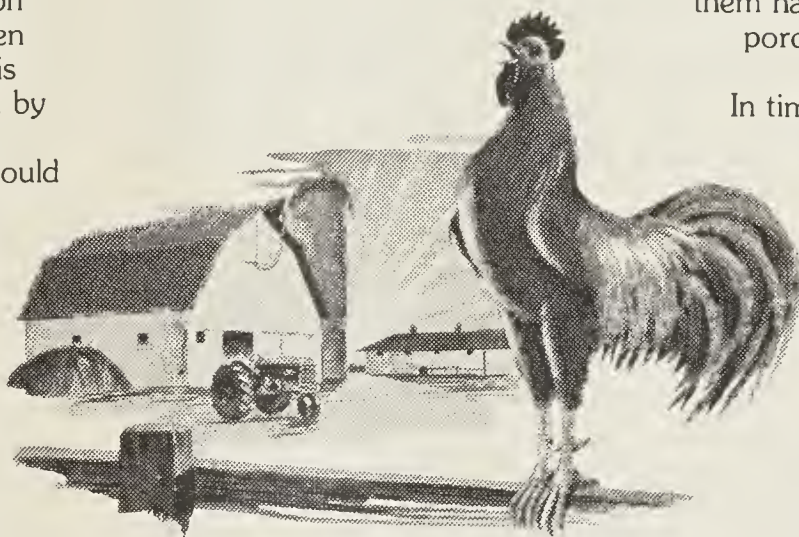
In our household, we have always been well-blessed by a large collection of these birds. We've had four or five different sets: all ungodly.

One summer, the family decided to play it smart and beat the high price of fryers in the store. My parents bought 150 little, noisy chicks. Oh, they were certainly lovable!

Naturally, the job of feeding and caring for them fell to me. I'll admit I enjoyed it at first but after awhile it became a little boring—the thrill was gone. It just didn't rub me very well to have to crawl out of my cozy bed every morning and go tramping, half asleep, to the pen and measure out the feed and water. Believe me, nothing wakes you up faster than spilling a generous amount of cold water on your bare feet at daybreak!

I remember it rained a lot that summer, but never at night or mid-day. It always rained when I had to feed those devilish chickens. Have you ever tried holding an umbrella, a bucket of water, and a cup of feed while measuring the feed out in the right amount...while trying to prevent 150 chickens from flying out the door...while trying to keep the dog from getting in the door...all in a downpour?

Finally, the happy day of slaughter came. I was pure joy from head to foot but my glee was diminished somewhat when I learned that about 20 of those birds would be spared from the axe. My stepfather insisted on keeping them and no amount of persuasion could deter him. That wouldn't have been so bad in itself, but—horror of horrors—he turned them all loose to wander where they would! They were supposed to act like other, normal birds but these were neurotic all the way. Instead of roaming around over the fields, hunting bugs or whatever, they took up roost stubbornly on the kitchen porch. Oh, the times Mother gave them a flying chase with broom only to turn around minutes later and find



them having another party on the porch! Mother cried a lot that summer.

In time, Stepfather decided the birds were just too expensive to keep and they were transferred from porch to freezer. He missed them something awful. So much, in fact, that he later acquired another brood.

These were full grown and at least stayed out of the yard most of the time. There was a whole slew of roosters in this bunch and every one was proud of his crowing ability. As a result, every morning at daybreak, as I slumbered in sweet dreams, I would be suddenly shocked awake by a chorus of cock-a-

Such "harmony" you have never heard: bass, alto, tenor and four or five sopranos all giving out with such screams that I'd lay in bed wishing with all my might I could turn them off—permanently—with a blast from stepfather's shotgun.

doodle-do's fit to wake the dead. Such "harmony" you have never heard: bass, alto, tenor and four or five sopranos all giving out with such screams that I'd lay in bed wishing with all my might I could turn them off—permanently—with a blast from Stepfather's shotgun.

Take my advice: for real pleasure and peace, never have chickens. Get a hog.

Roy Silver of Green Mountain is a former community correspondent for the *Yancey Journal* in Burnsville. This is his first published work outside that newspaper.

Some of the items included in the 4-H collection are a prize-winning 1939-40 scrapbook of the Elon 4-H Club, a pine needle basket, a mason jar, a scepter, and a 1940's 4-H uniform. Austin Garriss, now a farm agent, and Katherine Millsapps, now a home agent, are credited with having assembled the scrapbook.

The native pine needle basket, donated by Cleo Rumbley Smith of Chatham County, was handcrafted about forty years ago at Indian Camp Park, a forerunner of Millstone 4-H Camp near Ellerbe. Mrs. Smith also donated a mason jar that held the green beans that won her a blue ribbon at the first State Fair in 1934.

In 1940, Vernon Duncan from the Silk Hope High School 4-H Club in Chatham County was named the state and national "King of Health." He was awarded the gold and purple wooden scepter in Chicago by the National Live Stock and Meat Board.

The 1940's 4-H uniform was made and worn by Emily Ballinger of Guilford County. She is now an extension agent in Warren County.



Preserving 4-H History

The history and development of 4-H work in North Carolina are being preserved officially by North Carolina State University and state 4-H officials.

Under an agreement between the State 4-H Honor Club and the State 4-H Office, historic 4-H items will be collected and deposited in the NCSU archives.

Some of the items secured during the past year include the winning outfit in the 1932 State 4-

H Dress Revue, craft items made at a 4-H camp in the 1930's, scrapbooks, pre World War II 4-H project records, photographs and artifacts from early 4-H canning and corn projects.

The idea for the collection of such materials originated with the North Carolina 4-H Honor Club, a service organization of more than 1,000 former 4-H members, selected for their outstanding project or leadership activities as

4-H'ers. Organized in 1931, the group honors new members at a tapping ceremony each summer during the State 4-H Club Congress in Raleigh.

Mrs. Gwen White of Kitty Hawk, State 4-H Honor Club president said the club came up with the idea for the collection of historic materials when they began planning for the Bicentennial year.

"We envisioned a 4-H museum," Mrs. White said, "but soon realized financing such a project was impossible at this time."

Dr. James Clark, an NCSU English professor, headed the Honor Club committee that developed the plan for utilizing university archives to deposit items collected.

"This is the best way I know to preserve old 4-H members' experiences for present and future generations," Clark said. "Since N.C. State is our land-grant university, it is the appropriate place for a collection like this to begin. Then researchers all over the country will have access to the materials also."

Persons with items to donate should contact their county 4-H agent with the Agricultural Extension Service. Forms can then be filled out listing the item, its condition, and its 4-H significance. If the item is accepted for inclusion in the archives, it will be sent to Raleigh at no cost to the donor.

The 4-H program began in North Carolina in May, 1909, when a boys' Corn Club was organized in Hertford County. Tomato Clubs for girls were organized in 1911. Today's 4-H program reaches both rural and urban boys and girls, ages 9 to 19.

The Tar Heel 4-H program is conducted by NCSU and A & T State University through the N.C. Agricultural Extension Service, which has offices in each county. Financial support comes from federal, state and county governments.

EMC Members To Get Tweetsie Discount

Members of Electric Membership Corporations throughout North Carolina are being offered special discounts on tickets to Tweetsie Railroad near Blowing Rock.

The amusement park is served by Blue Ridge EMC. Tweetsie General Manager Spencer Robbins says the special discount is being offered as a "token of our appreciation for the wonderful relationship we have had with Blue Ridge EMC for 20 years."

The park's regular rates for this season are \$5 for adults (age 13 and over), \$4 for children (ages 4-12), and no charge for children under three. Under the EMC discount plan, a member family will be admitted at \$4 for adults, \$3 for children, and children three years and under are admitted free.



Passengers board Mice Line #9 for a trip through the Mouse Mine at Tweetsie Railroad's Mouse Mountain.

More than just a train ride, Tweetsie's recreational activities include a laser light shooting gallery, an old-fashioned games arcade, a recreated Indian village, a display of antique steam engines and farm tractors, an old time fire house with horse-drawn fire engines, a picnic area with a motorized tram to carry patrons and their picnic supplies to their tables, an old fashioned country fair that includes midway rides, a

professional magic show, and numerous other activities such as scheduled country music events.

To qualify for the discount, EMC families must present the mailing label from an issue of **Carolina Country**, along with some form of identification. The discount will be valid throughout the 1977 season, which begins Saturday, May 28, and runs through Sunday, October 30.



Strolling minstrels on the main street of Tweetsie Junction are one of the numerous attractions at the amusement park near Blowing Rock.

What Is

Found some more numbers that are puzzling you? Are you wondering just what the numbers being found on more and more food packages really are?

If so, you're not alone. Recent studies show that many consumers are puzzled by food product dates and what they mean.

The dates are known as "open dating"—that is, any date on packaged food that can be easily read and understood by you, the shopper. What the date specifically means, and where and how it appears on the package, may vary, but the purpose of the date remains the same—to help assure that you buy and use fresh food.

Though open dating is most helpful to store personnel in rotating stock, it can also be used as a guide when you select an item to buy and when you rotate items in your home pantry, according to Rachel Kinlaw, extension specialist in foods and nutrition at N.C. State University.

"Open dating is in effect on almost all food packages," Mrs. Kinlaw says, "especially those which are perishable or semi-perishable."

However, she noted, the dates stamped on food packages can mean one of four things: 1) Pack Date, or the date of final processing or packing, 2) Pull Date, the last recommended day of retail sale that allows enough time to safely store and use the product at home, 3) Quality Assurance Date, or freshness date, the date after which the product is not likely to be at peak quality; and 4) Expiration Date, the last day the product should be used to assure quality.

Determining which one of these four explains the date on a particular package is usually a matter of guesswork unless your grocer will explain them to you.

Unless a processor is packaging meats, poultry or fish under federal inspection, he is not required to explain his method of open dating. In fact, a U.S. Department of Agriculture (USDA) survey recently disclosed that almost all open dates are not explained.

"Keep in mind," Mrs. Kinlaw said, "that there's usually a margin of safety built in to the date on the package by the manufacturer, as in the case of canned biscuits and milk."

This means that the manufacturer will stand behind his product up to the date stamped on the package. He will not guarantee it after that date.

Mrs. Kinlaw noted that "there are many unknowns built in to the dates given on food packages, such as



Carolina Homemaker

Open Dating?

the time it takes the homemaker to get the food to her refrigerator.

"Or, consider the home with children who are constantly opening the refrigerator door," she said. "That refrigerator's temperature is probably going to have greater variances than the refrigerator that is not constantly opened and closed."

She said that if the food item you buy has not been kept at the proper temperature before or after you buy it, the chances are it will not measure up to your expectations regardless of the date on the package.

At the request of Congress, the USDA has been studying open dating, especially with regard to shoppers' reactions.

Interviews with nearly 13,000 shoppers in chain

stores when an open dating program was tested showed that the introduction of either pack or pull dates on food reduced by about half the incidence of shoppers' complaints about spoiled or stale food.

Shoppers benefited two ways from the experiment: They had date information available for their own use, and they were more confident of getting high quality food as a result of the improved handling practices by the store.

Several bills have been introduced in Congress to require date labeling, but action has not yet been taken. Meanwhile, open dating can still be a valuable information tool in the store as well as at home.

And, as more companies adopt open dates and explain them, consumer awareness and use should increase.



Remember...

Open dating alone is not an assurance of food freshness. Many other factors, like proper handling and storage temperature, are vital to food quality. If an item is not transported and stored under proper conditions, its shelf life is reduced and the date on the package will not be meaningful. However, as a general rule, food retailers and processors guarantee their products so that you can obtain a replacement or refund if a product is not satisfactory.

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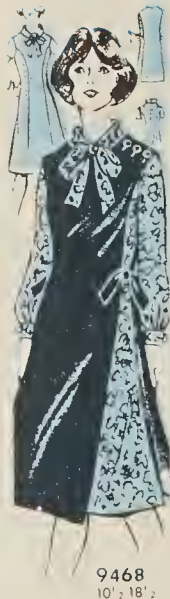
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Country Kitchen



SPINACH SALAD

What better way to welcome the spring than with a crunchy green concoction of vegetables straight from the garden? As you look over Elaine Whitaker's ingredients, it won't be hard to imagine the taste treat and dinner refresher in store with her "Spinach Salad."

A member of the Surry-Yadkin EMC Women's Committee, Elaine has been active in volunteer work at the local and statewide rural electric fairs. From the looks of her salad and dressing recipe, it doesn't look like anyone would have to volunteer to leave her kitchen, or yours!

If you would like to share a recipe with this column, send it to: Country Kitchen, P.O. Box 27306, Raleigh, N.C. 27611. We pay \$5 for published recipes.

COUNTRY KITCHEN RECIPE

Submitted by Elaine Whitaker of Dobson, N.C.

Spinach Salad

- | | |
|-----------------------|--------------------------------|
| 1½ lbs. fresh spinach | Dash of pepper |
| 6 green onions w/tops | 8 slices of crisp cooked bacon |
| ½ lb. fresh mushrooms | 5 hard-boiled eggs, chopped |

Wash spinach thoroughly, dry well. Remove stems and break leaves into bite-size pieces. Wash mushrooms under cold running water, dry and slice. Wash and chop onions, using tops. Toss all ingredients together, cover and chill two hours. Before serving, toss with dressing.

Dressing

- | | |
|----------------|------------------------|
| 1 clove garlic | 3 T. fresh lemon juice |
| ½ c. olive oil | ½ c. vinegar |
| 1 tsp. salt | Dash of pepper |

Quarter garlic clove and marinate in oil for one hour or more; discard garlic. Combine oil, salt and pepper in small bowl. Combine lemon juice with vinegar, gradually blend into oil, beating well with rotary beater. The dressing will thicken somewhat. Yield: 10 servings.

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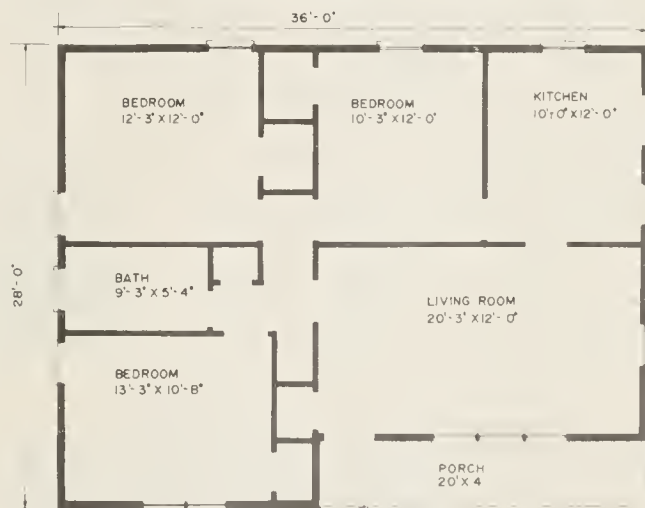
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Having Fun Cooperatively

Come July 25th, the R. J. Peeler FFA Camp at Bladen County's White Lake will be hosting a group of about 150 high school juniors and seniors as they swim, share and cooperate.

The Co-op Youth Camp, sponsored for the second time by members of the Cooperative Council of North Carolina, is a five-day program of seminars, addresses, instruction and recreation, featuring an entertaining short course in the cooperative way of doing business in a free enterprise society.

As they did during the 1975 camp, the teenagers will organize a mock "T-shirt" cooperative, elect a board of directors, hire a manager and staff and adopt bylaws to govern the organization.




Program participants scheduled to attend include representatives of marketing, purchasing and service cooperatives, as well as other prominent state and regional leaders.

In 1975, special evening activities included a talent show, watermelon cutting, boat ride to a nearby amusement park and a "last night" dance. More of the same is planned for the 1977 Camp.

Member cooperatives from across North Carolina will select high school students in their areas for expense-paid trips to the camp. Each camper will be recommended and sponsored by a local cooperative, the Future Farmers or the Future Homemakers of America, or the Extension Service. Counselors for the week will be representatives from co-ops across the state.

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Indoor-Outdoor Plant Furniture



With the burgeoning popularity of plants as indoor and outdoor decorations, there has been a corresponding demand for attractive and versatile plant stands. But if you've shopped around for planters to suit your needs, you've probably discovered that their prices are high (and the construction often flimsy). Save your money and build these six sturdy but easily-constructed pieces of plant furniture.



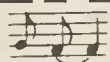
The geometric shapes pictured here can all be built from durable redwood, redwood lathing, White or Southern pine. They will live well with any decor from Provincial to Early American. All you need to build these attractive items is a hand saw, coping saw, hammer and glue. Simply follow the step-by-step instructions and detailed scale drawings...build all six or whichever ones you prefer. Complete materials list is included for each of the six planters.

To obtain the **PLANTER FURNITURE** plan (#579) send \$2.50 (includes 1st class postage & handling) by cash, check or money order to **Steve Ellingson, c/o: Carolina Country Pattern Dept., P.O. Box 2383, Van Nuys, California 91409.**

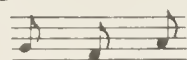
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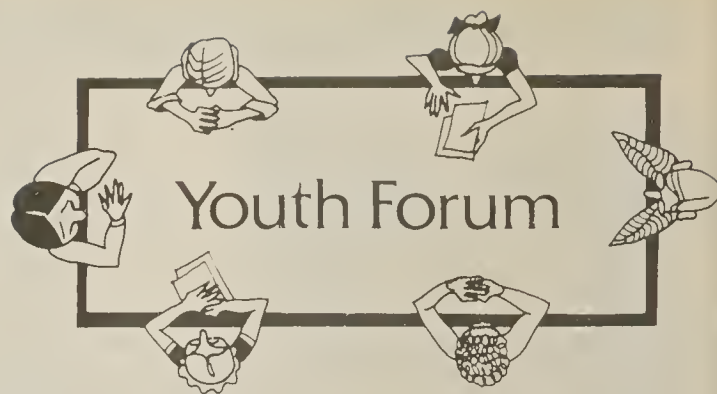
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What kind of world will we teenagers be living in when we get older?



"Who knows what it will be like. You hear about all these tanker wrecks, so I think the ocean will soon be one big oil slick. I worry a lot about our water resources."

**J. Neil Oliver, 8th grade
Mabel Elementary School**

"When we are grown I doubt if there will be any gas. And the way the population is going it will be crowded here in the country, too. Things are even going up in the supermarkets. But most places you can't even buy a drink without paying for the bottle. Most places now, you have to put 30 cents in for the bottle. And the bottle comes out and says 'no deposit.' Sounds strange to me!"

**Tony Reece, 7th grade
Mabel Elementary School**

"The world could change. We could have everything electric. Or we could ride in flying cars. We could have roads up off the ground. When you go to a home next door you could ride on little electric stairs. When I am 50 there may be electric maids. The home may be a push button home. You may do nothing."

**Richard Issacs, 7th grade
Mabel Elementary School**

"By the time we teenagers reach forty years of age we won't have to do a thing. This place will be an automatic universe. All we will have to do is go to sleep, wake up, and watch the day go by. But would that be good?"

**Duane Danner, 7th grade
Mabel Elementary School**

"The world teenagers are facing will be a complex one. Technology has advanced greatly in this century and the young people of today have been handed the responsibility of learning how to control and use it. We should be very careful to sift through the ideas and inventions of man. We should remember that not everything created is for the good of mankind."

**Lynn Boyd
Gastonia**

A junior at Hunter Huss Senior High School, Lynn enjoys painting, Mrs. Helms' English class and watching the Huskies play sports. She and her parents, Mr. and Mrs. Franklin Boyd, are served by Rutherford EMC.

"We'll probably be living in a world where evil and destruction is an everyday thing. Evil will be right outside our door. People will be murdered on our own doorstep. Robbers and thieves will override the law. The rich will no longer exist. I am feeling very pessimistic today!"

**Tammy Pope, 8th grade
Mabel Elementary School**

"Fuel from green plants will replace fossil fuel. Most food will come from the sea. Space travel will become more and more advanced, and journeys from planet to planet will become as routine as journeys in an airplane are today."

**Sue Ann McNeill
Lenoir**

Sue Ann, a seventh grader at Oak Hill School, enjoys cooking, basketball, and reading. She and her parents, Mr. and Mrs. Carlos McNeill, are served by Blue Ridge EMC.

"The way things are looking right now, I don't know if we will be in any better shape or not. Take these shortages, especially on coffee. I think it's dumb, mainly because I don't believe there is a shortage. And if there were any more nuts like Idi Amin, wow would we really be in bad shape. I hope we will be more advanced in technology, but not so much that we go from our every day pattern of life. We can't really complain right now. I hope I can say that twenty-five years from now also."

**Chuck Phillips, 8th grade
Mabel Elementary School**

"I believe that our world will be faster, brighter and more expensive. Automation will have another twenty or thirty years of evolution. I know that as a teenager myself, I have doubts about our society's well-being, but I believe that all teenagers are faced with this dilemma. As we get older, faith will be restored in all respects. All we see now is what's on the news or in the papers. Unfortunately, the news seems to broadcast what's bad about the world, and only time will face us with the fact that there's a good side, too."

**Phil Searce
Havelock**

A freshman at Havelock Junior High School, Phil enjoys softball, tennis and Coke guzzling. He and his parents, Mr. and Mrs. Herman Searce, are served by Carteret-Craven EMC.

NEXT QUESTION: "Should marijuana be legalized?"

If you have a good answer, send it to YOUTH FORUM, Carolina Country, P. O. Box 27306, Raleigh, N.C. 27611 immediately. Tell us a few facts about yourself—your age, school, hobbies, etc. Include your parents' names and the name of the electric membership corporation serving you. If your answer is published, we will send you \$5. If you want to submit a question, send it along and for each one used, the sender will receive a \$5 check.

(Ed. note: The group of Mabel Elementary School students, who collectively replied to this month's Youth Forum, are the students of Mrs. Larry Austin. All of the Zionville, N.C. school students and their parents are served by Blue Ridge EMC.)

A century ago, 108 brands of fertilizer were being sold in North Carolina. Some were "miserable stuff, others downright swindles." One was found to contain 60 per cent sand.

As a result of farmers' complaints, the legislature passed an act setting up an "Agricultural Experiment and Fertilizer Control Station." A chemist was to be employed to analyze fertilizers and other products and "to aid so far as practicable in suppressing fraud in the sale of commercial fertilizers."

Experiment Station Program Marking 100th Anniversary

The chemist also was given broad powers, under the newly created State Department of Agriculture, to conduct experiments in fertilization and plant growth, production of new crops, and other matters.

The experiment station came into being 100 years ago, on March 12, 1877, with the appointment of Dr. Albert R. Ledoux as its head. Educated at Columbia University and in Germany, he was described as "an analyst skilled in agricultural chemistry."

Ledoux did his work in the chemical laboratory of the University of North Carolina at Chapel Hill. He faced a multitude of problems, but he was a man of much courage.

His first report evaluating fertilizer brands created a great stir among both

manufacturers and farmers. But only one company made any serious complaint and this led to field tests.

Ledoux served as head of the station for nearly four years. Since then there have been 15 other directors. The present director is Dr. Kenneth R. Keller, formerly in charge of the state's tobacco research program.

After a few years the station was moved to the State Agriculture Department in Raleigh, where it remained for some time. Later, it became a permanent part of the state's

first land grant institution, North Carolina Agricultural and Mechanical College, now North Carolina State University, which opened its doors in 1889.

The Hatch Act provided federal funds, \$15,000 a year, for operation of the experiment station. No appropriations from the state's General Fund were made for this purpose until 1937, when \$5,000 was earmarked for Brushy Mountain apple research.

Today, the North Carolina Agricultural Experiment Station, as it is now known, is operated as a state agency and receives most of its funds from the state budget. Supplementary federal funds are available under several acts of Congress.



Jersey cows in the NCSU Randleigh dairy herd are among those used in research to improve the productivity of North Carolina milking herds.

Past and present research work by station scientists literally affects the lives of all North Carolinians.

When a bacterial disease known as Granville wilt threatened to destroy the state's flue-cured tobacco crop, state and federal researchers made an all-out effort to bring the disease under control. Finally, in 1944, they released the wilt-resistant "Oxford 26" variety—a milestone in the history of North Carolina agriculture.

Disease-resistant varieties of many important crops have been developed in the past 25 years. Multiple resistance is bred into some varieties, especially of tobacco.

NC-6, a new peanut developed by the North Carolina station, is resistant to a major insect pest—the first such peanut variety in the United States.

Largely as a result of station-developed hybrids and more effective use of nitrogen, the state's average corn yield has quadrupled, rising from 20 bushels an acre in the 1940's to 80 bushels at present.

North Carolina has become No. 1 in sweet potato production, with its 1975 crop valued at \$43 million. The "Jewel" variety, developed by the North Carolina station, is the most widely grown yam in the nation.

The state also is first in pickling cucumbers. Acreage has increased fivefold since 1946. The 1975 crop of 29,500 acres was valued at \$12 million.

Much of the experiment station's research is focused on greater efficiency in the use of feed for livestock and poultry and plant food for crops.

Today, two pounds of feed produce one pound of broiler meat, and the birds reach market weight in eight to nine weeks. A "grain on grass" program developed by the station enables beef animals under certain conditions to be finish-fed with 62½ per cent less grain.

Value of all livestock and poultry produced on North Carolina farms in 1975 was \$997 million.

One hour of farm labor now produces nine times as much food and other commodities as in 1919-21.

"Today's agricultural abundance is the harvest of scientific seeds planted decades ago," said Station Director Keller. "Output can continue to rise only if additional technologies become available."

For Home-Insulation Projects

EMC To Administer Federal Loan Program

Blue Ridge Electric Membership Corporation, Lenoir, is one of the first seven rural electric cooperatives in the nation to become an official agent for a new federal program providing loans for home insulation projects.

As a result of agreements signed by Secretary of Agriculture Bob Bergland and Blue Ridge EMC Manager Cecil Viverette, the cooperative will administer the loan program for its 33,000 consumer-members.

Under the program, the U.S. Department of Agriculture's Farmers Home Administration will grant low-interest loans of up to \$1,500 each to co-op members whose annual family incomes are less than \$15,600.

Other EMCs across the state have not been asked for commitments regarding their participation in the federal loan program for home-insulation projects. Once they are announced, *Carolina Country* will carry a full report on the details of the program and where it will be offered.

Participating co-ops will accept applications, approve qualified contractors to make the improvements, bill FmHA after construction is satisfactorily completed and spread the cost of the loan on the customer's monthly electric bills.

The average loan is expected to be about \$500 at 8 per cent interest for five years.

Blue Ridge EMC officials say they will begin accepting applications within 60 to 90 days.

FmHA, which assumes the financial risk for repayment of the loans, expects to lend up to \$1 billion for improvements to as many as four million homes.

Co-op members who do not qualify for the new loans will be referred to county offices of FmHA for possible assistance under other programs.



Blue Ridge EMC Manager Cecil Viverette, left, and Agriculture Secretary Bob Bergland at agreement-signing session in Washington.

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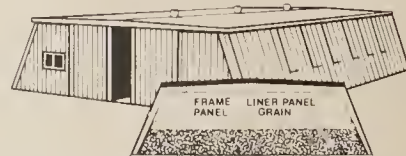
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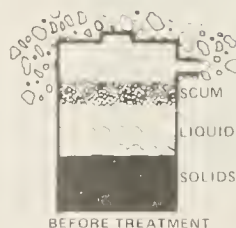
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Gov. James Hunt

N.C. EMC/TEMA Annual Meeting

FEATURES GOVERNOR, U.S. SENATOR

Gov. Jim Hunt pledged his administration to transform state government into a "lean and efficient" operation which provides essential services without new spending programs and higher taxes, as he addressed the opening session of the 1977 Annual Meeting of North Carolina Electric Membership Corporation and Tarheel Electric Membership Association.

The governor said his administration's programs will differ from those that have traditionally been proposed by a new chief executive—those which ask for "huge spending programs often requiring new taxes and frequently involving a lot more employees, more regulations, more bureaucracy and red tape."

Instead, the Hunt administration will seek to find "some better answers" by getting the people of North Carolina "personally involved in giving of themselves, their time and their efforts," he said.

"Our approach is that we can do better with what we have, that we can make government more lean and efficient without hurting services. Our approach is to use volunteers in dealing with cutting down crime and making schools work better and having

children learn to read and learning to save on energy and in so many other ways."

Gov. Hunt was the featured speaker for an Awards Luncheon, which kicked off the meeting. About 400 rural electric leaders from across North Carolina participated in the March 15-16 meeting in Raleigh.

In outlining some of his legislative proposals, Gov. Hunt called on his audience to urge their legislators to authorize a statewide vote on the issues of gubernatorial succession and veto.

Granting the governor an opportunity to seek one additional term, he said, would give "some continuity of leadership in our state" and provide "a more long-term outlook on some of our problems."

VETO FOR "UNWISE LEGISLATION"

The veto would give the governor an opportunity to override "unwise legislation" which can get through the General Assembly because of pressure groups.

It's difficult, he said, for a legislator to say no to many of these groups if they're from his home district and they have enough membership to defeat him in the next election.

"But if the governor had the veto, he could veto unwise legislation and those pressure groups would have to deal with him on a statewide basis."

The governor also reviewed his proposals for revamping the State Utilities Commission, mounting a new attack on crime, establishing a minimum competency test for high school graduates and reorganizing government agencies to improve economic development efforts.

The crime program would stress development of community watch projects throughout the state, speedier trials and greater certainty of sentencing in the courts.

"I call the present sentencing procedures a public lottery. We need to categorize crimes according to their severity and have certain punishments for those categories of crimes."

In an address before the meeting's General Assembly Banquet, U.S. Sen. Ernest F. Hollings, D-S.C., offered a number of comparisons between the Carter administration and the Nixon-Ford regime in Washington.

ZEAL FOR THE PRESIDENCY

"The biggest change," he said, "is that Jimmy Carter has come to national office with a zeal to prove that he can be the best president that this country's ever had—what more can you ask?"

He said this situation is in marked contrast to Richard Nixon, who loved the pomp and ceremony of the presidency but "just did not like the job."

He described Carter's cabinet members as "outstanding," saying "it's a thrill to see them serving and working, having a responsibility and communicating with Congress," something many cabinet-level Nixon appointees wouldn't do, under the cloak of "executive privilege."

Sen. Hollings said Congress is "absolutely enthusiastic about energy policy development" under President Carter.

Seeing Interior Secretary Cecil Andrus tell the oil companies they must develop their leases, he said, was "like a dream because we've been after that for years."

Together, Congress and the Carter administration will develop a national energy plan that will call for "sacrifice and leadership on behalf of the

cooperatives and public leaders of our several states, the senator said.

"Working separately, we cannot succeed, but working together in this fashion, we cannot fail."

Other speakers at the meeting included Charles Robinson, deputy general manager of the National Rural Electric Cooperative Association; North Carolina Attorney General Rufus Edmisten and Amanda Smith, director of the Division of Equal Education and New Pioneers Program with the State Department of Public Instruction.

AWARDS

LUMBEE RIVER EMC

Gov. Jim Hunt commended Lumbee River EMC, Red Springs, for its leadership role in reducing energy consumption through a load management program designed to trim power usage during periods of peak demand.

In his address at the awards luncheon, Gov. Hunt called the load management program "an example of North Carolina's traditional resourcefulness," and cited the EMC's Board of Directors

Sen. Ernest F. Hollings



and management for this pioneering effort.

The governor, who has made energy conservation a major issue of his administration, said he believes the program "will truly prove worthy of emulation by all other electric utilities in North Carolina."

He made his remarks in presenting a special citation to the Lumbee River EMC board. Accepting the award were Derl J. Hinson, manager, and Hubert Prevatte, president of the board.

The load management program at Lumbee River EMC involves installation of radio controls to automatically cut off service to air conditioners and water heaters for brief periods during times of peak demand.

CLEVELAND

Robert N. Cleveland, who has resigned as executive vice president and general manager of N.C.EMC, was cited for his "able leadership" in the post by the organization's board of directors.

In a resolution adopted by the board, Cleveland was praised for his efforts to make N.C.EMC "a true power supplier" for its 28 member systems through negotiations with the private power companies.

It also pointed out that during his three and one-half years in North Carolina, Cleveland has "organized the first statewide materials and supplies program" for EMCs and guided the

association in the acquisition of its first headquarters facilities.

Cleveland, who officially relinquished his post on April 5, will become executive manager of Ohio's three electric cooperative statewide organizations.

CRISP

William T. Crisp, associate general counsel for N.C.EMC/TEMA, was honored with the presentation of a special award recognizing him for his years of service to the rural electric program in North Carolina.

Crisp was the organization's first executive manager, serving in that post from its inception in 1952 until October, 1960. Since then, he and his law firm have continued to represent the association.

A certificate of "meritorious service" was formally presented to Crisp by Robert N. Cleveland, executive vice president of N.C.EMC/TEMA, at the awards luncheon.

SAFETY AWARDS

Three of North Carolina's EMCs were awarded safety accreditation certificates recognizing their attainment of minimum standards for employee training and safety precautions established by the National Association of Rural Electric Cooperatives.

The awards went to: Lumbee River EMC, Haywood EMC, Carteret-Craven EMC, Tideland EMC, Blue Ridge EMC, Surry-Yadkin EMC and Randolph EMC.

Related stories on page 24

ELECTED

New N.C.EMC/TEMA Officers Chosen For '77-78

The manager of South River Electric Membership Corporation, Dunn, has been elected president of North Carolina EMC and

Tarheel Electric Membership Association for 1977-78.

Marvin O. Marshall was elected at the organizations' 1977 Annual

Meeting to serve a one-year term in the office, succeeding Gordon S. Becton of Carteret County.

Also elected were Thomas Cockerham of Jefferson, president of the Board of Directors of Blue Ridge EMC, Lenoir, vice president; and Edward E. Brown, Jr., manager of Albemarle EMC, Hertford, secretary-treasurer.

In addition, Horace Moore of Snow Hill, vice president of the Board of Directors of Pitt & Greene EMC, Farmville, and a former president of N.C.EMC/TEMA, was elected to represent the organization on the Board of Directors of the National Rural Electric Cooperative Association.

Marshall, who has been with South River EMC since 1968, served as vice president of N.C.EMC/TEMA during the past year. A Willis, Va., native he was North Carolina operations field representative for the Rural Electrification Administration for six years prior to taking the Dunn post. He's an Air Force veteran with bachelor's and master's degrees from Texas A & I in Kingsville, Texas.

Cockerham, who has represented the Ashe District on the Blue Ridge EMC board for the past 12 years, is now in his second year as president of that body and a member of the N.C.EMC/TEMA Board of Directors. He is administrator of Ashe Memorial Hospital.

Brown, who joined the Hertford cooperative in December, 1973, is a former N.C.EMC/TEMA staff member. From 1968 until he moved to Hertford, he was director of advertising and associate editor-advertising manager for *Carolina Country*.

Moore, a rural letter carrier, is Greene County's fire marshall and assistant chief of the Snow Hill Fire Department, having served as chief for 26 years. He's on the executive board of the N.C. Fireman's Association and is a past president of that organization.



Marshall



Cockerham



Brown



Moore

McCall, Dilda Head Women's Group

Joy McCall of Ellerbe and Lucille Dilda of Fountain were reelected as officers of the N.C.EMC Women's Advisory Committee during its business session at the N.C.EMC/TEMA Annual Meeting.

Mrs. McCall, a member of the Pee Dee EMC Women's Advisory Committee, has been chairman of the statewide group of rural electric volunteers for the past year. Ms. Dilda is a member of the Pitt & Greene EMC Women's Committee and vice chairman of the statewide committee.

Elected to represent the group as a member of the National Rural Electric Cooperative Association Women's Task Force was Mrs. Lila Robertson of Halifax EMC. She'll serve a two-year term beginning in November. Rose Prevatte of Lumbee River EMC will serve the remaining year on her term as a member of the task force, through October, 1978.

HONORED

Directors, Managers Cited For Service

Six EMC managers and 19 EMC directors were honored at the N.C.EMC/TEMA Annual Meeting for their years of service to the rural electric program in North Carolina. Each was awarded a certificate of meritorious service in a special ceremony.

Two of the managers were recognized for 30 years of service, three for 15 years and one for 25. They were: Hugh A. Crigler, Jr. of Davidson EMC, and Alvin C. Morton of Jones-Onslow EMC, 30 years; Robert S. Holmes of Tri-County EMC, 25 years; Douglas P. Leary of Wake EMC, Glenn A. Carowan of Tideland EMC and Derl J. Hinson of Lumbee River EMC, 15 years.

The directors, listed by EMCs were:

Brunswick—Roy Swain, 20 years and C. D. Branch, 30 years; Cape Hatteras—Herbert K. Midgett, 15 years; Carteret-Craven—Gordon K. Loughton, 30 years; Central—James B. Brooks, 15 years.

French Broad—Elmer Buchanan, 20 years, and Paul Higgins, 30 years (award presented posthumously); Jones-Onslow—James S. Melton and Hugh Sandlin, both 15 years; Lumbee River—Hubert R. Prevatte, 15 years.

Pee Dee—A. W. Bunch, 15 years; J. C. Thompson, 20 years, and Boyce Hargett, 25 years. Pitt & Greene—J. J. Grimsley and Mark Mazingo, both 15 years; Roanoke—H. C. Martin, 15 years and Grover Burgess, 20 years; Tri-County—Daisy W. Smith, 35 years; and Wake EMC—Benjamin L. Husketh, 15 years.

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North Carolina's Electric Membership Corporations have saved themselves at least a quarter of a million dollars by buying transformers, wire, poles and other supplies through their own statewide materials purchasing system.

And that figure is based solely on the first-year savings they realized by being partners in a cooperative enterprise which functions as a central materials distributorship serving all Tar Heel EMCs.

"Total savings for the EMCs would be much higher if you added what they saved through reduced inventories in their warehouses and that's difficult to estimate," said Earl F. Shoaf, director of the materials purchasing system, which operates under Tarheel Electric Membership Association (TEMA).

The savings tally would rise even further if it were to include those realized by the EMCs when the materials they need can be

purchased through TEMA at the market's lowest prices, Shoaf pointed out.

"We do try to keep our prices competitive, but we're certainly not trying to crowd out the competition," Shoaf said. "We believe the EMCs are getting our materials at competitive prices, if not better. Still, our biggest selling points are quick, dependable service and the fact that this is their business—they own it."

The program's savings and service were both cited about equally by EMC managers and purchasing agents who were surveyed about the advantages of buying materials through TEMA's Raleigh-based warehouse.

"It's great! We've been well-pleased," said Bob McDuffie, manager of Randolph EMC, Asheboro. "There's no doubt it's saving us some dollars."

"I'm highly pleased," said G. Leslie Rucker, manager of Edgecombe-Martin County EMC,

Tarboro. "We're saving considerable money on our purchases" and service has been "excellent," he added.

R. E. Hayworth, manager of Union EMC, Monroe, was especially enthusiastic about the service, saying it has been a tremendous improvement over delivery schedules the EMC has experienced with other suppliers.

"I'll admit that I wasn't really sold on the idea of the program at first, but it is definitely savings us both time and money."

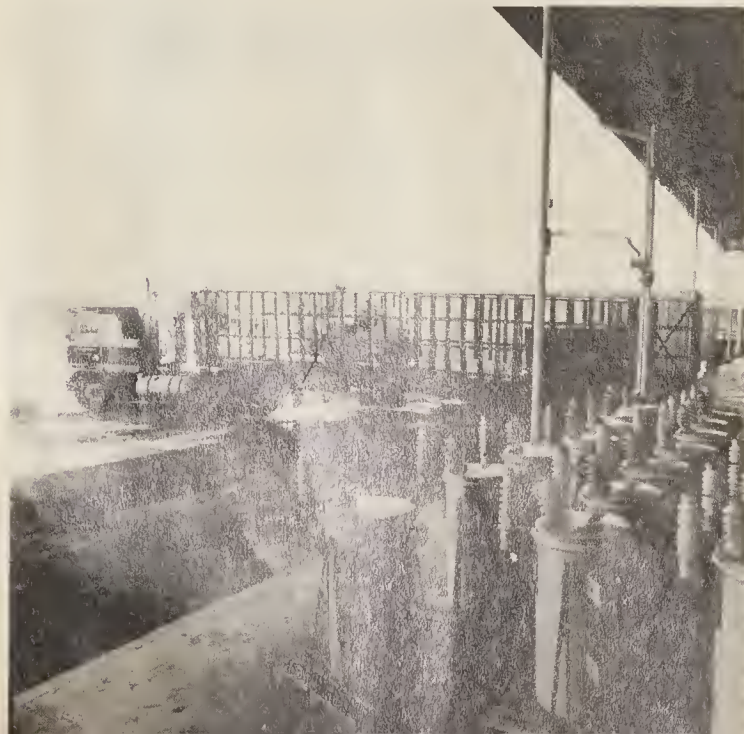
"We've been well satisfied with the program," said Robert G. Hubbard, manager of Brunswick EMC, Shallotte. "We haven't done a cost analysis, but we can see that we're saving money on many items."

John Browning, manager of Haywood EMC, Waynesville, and Marvin Marshall, manager of South River EMC, Dunn, both said the purchasing system has given them better prices and faster

Statewide EMC Purchasing

Stories By Owen Bishop

An order of transformers is loaded for delivery at the TEMA warehouse in Raleigh.



"Co-ops Have

The central material purchasing system serving the state's Electric Membership Corporations was organized to establish a direct link between the cooperatives and the materials manufacturers, say Robert N. Cleveland, former general manager of N.C. EMC and Tarheel Electric Membership Association.

"We are looking for improved service in the materials business, so the co-ops have, in essence, become their own distributors for materials," he said. "TEMA actually fills the role of distributor."

Since the operation is a cooperative of cooperatives, the member EMCs share any margin from it in the form of capital credits, just as do the consumer-members of the EMCs when they have margins, said Cleveland, who oversaw development of the materials program.

"Although the financial advantages were important, the primary incentive for starting this

service, and permitted a reduction in local inventories.

"We've seen nothing but good results from this program," Marshall added.

Randell C. Bell, purchasing agent at Jones-Onslow EMC, Jacksonville, and Rick Weaver, purchasing agent at Davidson EMC, Lexington, agreed that they've saved money using the TEMA system and are getting good service.

"I'd say we're saving on many items and we've gotten excellent service," Bell said.

Another advantage of the system is that it's reducing the amount of time EMC employees spend on purchasing, according to co-op officials.

Baxter Harmon, purchasing agent for Blue Ridge EMC, Lenoir, said the toll-free telephone line to TEMA permits orders to be called in one day for delivery the next, making the ordering process "almost a clerical job."



Earl Shoaf, director of the TEMA materials purchasing system, right, discusses an EMC's order with John Reeder, supervisor of stores, in the system's warehouse.

As a result, he said, he can spend more of his time on other duties.

Bob Peoples, manager of office services and purchasing agent at Crescent EMC, Statesville, has had a similar experience with the TEMA system.

"We've been able to reduce our purchasing manpower by about half a position as a result of this arrangement and it's saving me a lot of time."

The four agents said their respective inventories have been cut drastically since they began

buying most of their supplies through TEMA.

Although all EMC officials agreed they've already enjoyed tangible benefits from the fledgling purchasing system, one manager believes these benefits will be even greater in the years ahead.

"We've gotten good prices and good service, but I believe the benefits of this program will increase in the future as it grows to maturity," said Earl Ross, manager of Piedmont EMC, Hillsborough.

Savings And Service

Become Their Own Distributors"

program was to give the EMCs leverage with the manufacturers in terms of access to needed materials, as well as price.

In a period of shortages, we stand a better chance of getting the things we need when TEMA has established a relationship with the manufacturers, representing all EMCs in North Carolina."

Another incentive for launching the system was to establish a central warehouse in Raleigh which could make most supplies available with overnight delivery.

"This is very important when there are severe storms and the materials are needed immediately to get electric service restored," Cleveland pointed out.

When the statewide purchasing system was proposed, the EMCs were already doing some group purchasing through a regional arrangement involving four "Management Decision Making" groups.

"Each MDM group had a purchasing coordinator who would place annual blanket orders with the

suppliers covering the needs of those co-ops in the group," said Earl F. Shoaf, director of the materials program and a former purchasing agent with Crescent EMC, Statesville.

However, there were no warehouse facilities and all materials had to be "drop-shipped" directly to the EMCs from the manufacturers through other distributors, he said. "This often meant waiting three to four weeks for deliveries."

Once the N.C. EMC Board of Directors agreed to switch to the statewide purchasing plan, financing for it was arranged through loans from two sources: The member EMCs provided loans totaling about \$500,000, and another \$1 million loan was obtained through the National Rural Utilities Cooperative Finance Corporation, a national lending institution formed by cooperatives.

(Continued on page 28)

EMC Purchasing: Savings And Service

(Continued from page 27)

"No government funds were involved," Cleveland noted. "In fact, this organization isn't even eligible for Rural Electrification Administration loans."

The materials program was established as the sole activity of TEMA, a sister corporation to N.C.EMC which had been dormant for several years. Both are statewide service organizations of North Carolina's 28 rural electric cooperatives.

It officially opened its doors in January, 1976, using office and warehouse space in the N.C.EMC/TEMA headquarters building in Raleigh. The building had been purchased more than a year before to provide adequate space for both the materials program and other activities of the organizations.

"We had expected this facility to suit our needs for at least a couple of years," Cleveland recalled. "But within three months, we had filled our main warehouse and an auxiliary warehouse nearby. It was so crowded, our employees were spending far too much time in filling orders. The EMCs were buying through TEMA at a rate we could never have anticipated, so we soon realized we'd have to move to larger quarters."

The system received such support from the EMCs, in fact, that after only a year, its sales matched those of a similar operation in Colorado for its fourth year of operation in 1976, said Cleveland, who developed that program as manager of the Colorado Rural Electric Association prior to moving to North Carolina in 1973.

Due to the rapid growth, TEMA moved in July to a separate warehouse facility in Raleigh, which was leased to house the materials program alone. It was situated, coincidentally, on Tarheel Drive.

The new structure, which had previously housed a wholesale lumber distribution center, tripled the space available for the program and featured outside storage areas as well as a railroad spur permitting purchases in box-car quantities with delivery right to the warehouse door.

"This building is really ideal for our purposes," Shoaf said. "I don't think we could have come up with a better building if we had designed it ourselves."

Meanwhile, the system has gradually developed its distributorships with major materials manufacturers.

"It takes a lot of time and a lot of negotiations to get these distributorships worked out," Shoaf said. "We've been fortunate on that score."

The program now employs 10 full-time employees and can offer the EMCs "a full line of equipment for either a distribution system or a transmission system, including complete substations."

Shoaf added: "We've also been fortunate in getting support from the co-ops. They've been great! We're probably supplying about 50% of their needs, but they've been willing to keep us fully informed about their overall materials needs so we can plan our purchases effectively."

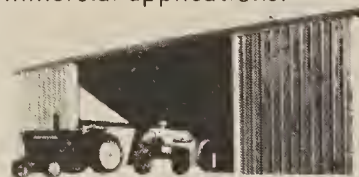
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“Birthplace”

“Birthplace” is an original oil painting by Dianne Saintsing Horton, depicting her Davidson County home on Saintsing Knoll.

The 200-year-old house was assembled with wooden pegs, each labeled in sequence with roman numerals. Originally, the kitchen was separate from the main structure. It features 11-inch solid plank walls, 10-foot ceilings with hand-carved moldings and four fireplaces. Other buildings are a barn with 22 stables, two tobacco barns, a smokehouse, packhouse, corn crib and tenant house.

Saintsing Knoll is the home of the artist, her five-year-old son Vincent, her brother Nicky and her parents, Mr. and Mrs. Julian H. Saintsing.

The painting, Ms. Horton said, is a personal

expression of the values she learned in her “birthplace” — values “such as tranquility, the secure feeling of family living, and our debts to the past and to those who have built before us.”

Ms. Horton, who took art courses at Davidson Community College and

High Point College, has a

degree in engineering drawing. She is employed as an electrical draftsman

for Consultants and Designers, Inc. in Winston-Salem.



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THE CARTER FAMILY - CAS-2473 - ALBUM \$2.50

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THE ORIGINAL CARTER FAMILY - ACL1-0047 - ALBUM \$2.50

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MERLE HAGGARD & BONNIE OWENS - JS-6106 \$2.50

That Makes Two Of Us; I'll Take A Chance; I Want Live Again; Forever And Ever; A Little Longer Please Jesus; Just Between The Two Of Us; Too Used To Being With You; So Much For Me, So Much For You.

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JIM REEVES - ALBUM ACL-7020 \$2.50.

Blue Side Of Lonesome; Most Of The Time; Waiting For A Train; When Two Worlds Collide; My Lip Are Sealed; A Railroad Bum; A Fallen Star; Yonder Comes A Sucker; Highway To Nowhere.

8 TRACK TAPE C85-7020 - SPECIAL \$3.98.

HARRY RESER - BANJO PICKER - ACL1-0301 - ALBUM \$2.50

If You Knew Susie; Sweet Sue - Just You; When You And I Were Young Maggie; Listen To The Mocking Bird; Comin Round The Mountain; I've Been Working On The Railroad; Bill Bailey; And The Band Played On; My Old Kentucky Home; Oh Dem Golden Slippers; Skip To My Lou; Sweetheart Of All My Dreams; Let Me Call You Sweetheart; Down Home Rag; Spaghetti Rag; Buffalo Gal; Hand Me Down My Walking Cane; Polly Wolly Doodle; Way Down Yonder In New Orleans; On The Sunny Side Of The Street; That's My Weakness Now; Back Home Indiana; Under The Double Eagle; Billboard March When The Saints Go Marching In; Albany Bounce Yes, We Have No Bananas Today.

JIM REEVES - CAS-842 - ALBUM \$2.50

Have I Told You Lately That I Love You; I'm Gonna Change Everything; Waltzing On Top Of The World Oklahoma Hills; Beyond The Shadow Of A Doubt Roly Poly; Each Time You Leave; A Letter To My Heart; Your Old Love Letters; Highway To Nowhere.

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JIMMIE RODGERS - ACL-7029 ALBUM \$2.50.

Blue Yodel (I For Texas); Desert Blues; I'm Sorry We Met; Blue Yodel No. 3; Frinkie And Johnny; My Old Pal; Away Out On The Mountain; Tl Brakeman Blues.

8 TRACK TAPE - C85-7029 SPECIAL \$3.98.

ROY ROGERS AND DALE EVANS AND THEIR FAMILY - ALBUM ACL-7021 \$2.50.

Jesus Loves Me; Read The Bible; I'll Be A Sunbeam; The Bible Tells Me So; Watch What You Do Did You Stop To Pray This Morning; The Lord Counting On You; A Cowboy Sunday Prayer; Un We Meet Again.

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ROY ROGERS - ACL1-0953 - ALBUM \$2.50

My Chicashay Gal; Don't Fence Me In; I Wish Had Never Met Sunshine; Blue Shadows On The Trail; My Heart Went That-a-Way; A Gay Rancher The Yellow Rose Of Texas; That Palomino Pal (Mine); Along The Navajo Trail; On The Old Sp Trail; Roll On Texas Moon; Rock Me To Sleep My Saddle.

8 TRACK TAPE C85-0953 - SPECIAL \$3.98

DINAH SHORE - ALBUM SPC-3524 \$2.50.

It's So Nice To Have A Man Around The House; Jin Blues In The Night; The Gypsy; Buttons And Bow Chantex; Chantex; Mad About Him Blues; I'll Wo Alone; Dear Hearts And Gentle People.

8 TRACK TAPE PB-1267 - SPECIAL \$3.98.

CONNIE SMITH - ACL-7026 - ALBUM \$2.50

I Overlooked An Orchid; You Ain't Woman Enough Y'all Come; I'm Little But I'm Loud; I'll Be There My Heart Has A Mind Of It's Own; Ain't Had No Lovin'; Two Empty Arms; That's What It's Like To Be Lonesome.

8 TRACK TAPE - C85-7026 SPECIAL \$3.98

HANK SNOW - ACL-7004 - SPECIAL PRICE \$2.50

The Glory Land March; Pray; My Religion's Not O Fashioned; These Things Shall Pass; I'm Movin On To Glory; I'm In Love With Jesus; Invisib Hands; My Mother; I'm Glad I'm On The Inside.

8 TRACK TAPE - C85-7004 - \$3.98

KITTY WELLS - JS-6158 ALBUM \$2.50.

Open Up Your Heart And Let The Sunshine In; Hell Walls; Moody River; Oh Lonesome Me; D-I-V-O-R-C-E Everybody's Somebody's Fool; Dear Heart; Heart aches By The Number; Cold, Cold Heart; Welcome To My World.

8 TRACK TAPE P8-314 - SPECIAL \$3.98.

Poet's Corner

Robert Townsend is a 15-year-old freshman at South View Junior High School. He lives in Grays Creek, near Hope Mills, N.C. He says his hobby is buiding model cars. After reading his all-too-realistic poem, you can be sure it's not swimming:

Jaws

Along the coast,
I sit in the sand.
Faint, soft sounds reach me as if trying to
entrance me.
Out beneath the breakers,
the fish lies in wait for prey.
Yet, unknowingly,
I quietly, quickly walk
into the surf.
Suddenly, I feel a tremendous
pressure around my waist,
the water nearby turns crimson,
then nothing.

Billie Varner of Lexington, N.C. likes to visit her Davidson County country place. "It inspires me to write poetry," she said. She and her husband, John Varner, N.C. Representative from Davidson County, are served by Davidson

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EMC. This is one of her recent inspirations:

How Sweet The Rain

Come with me to Tipside
Where nature is raw and plain
Traveling down that dusty road
How sweet, how sweet the rain.
Dimming our view of Jack Hunt
Mountain
While gently watering the grain
Dancing circles on our little pond
How sweet, how sweet the rain.

Karen Irwin presents us with yet another view of the sea. The 13-year-old says she loves poetry and "I know that I want to be a poet when I get older."

The Mermaid by the Sea

One breezy luxurious night
As I sat beside the sea

A sweet voice like musical notes
Called out unto me.
I scanned the rushing waves
To see whom it could be
Whose musical voice had called out
That greeting unto me.
The sight that I saw next
Is one I shan't forget
The loveliness of her face
When our eyes had met.
She had long golden locks
And beautiful gleaming eyes
And skin that shone, oh, so fair
And took me by surprise.
As I gazed upon her
I wondered was it a dream
Or was it just a trick
Of the magical moon beam?
Although I'll never know
I can always wish
That I could be as lovely
As the creature half woman and fish.

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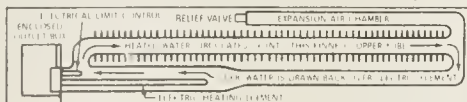
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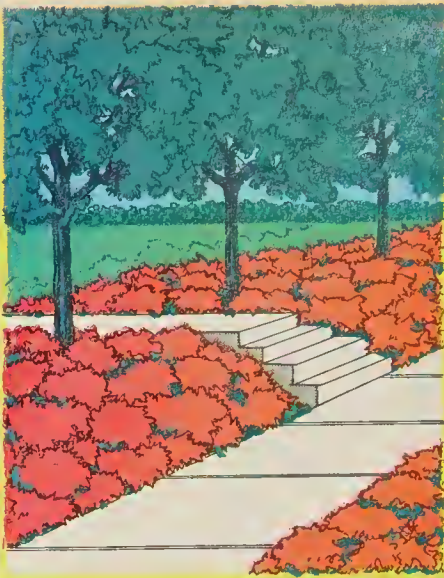
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